

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 105193.07		APPLICATION NO. Rule 53(b) Continuation of 10/090,731 filed March 6, 2002 <i>10/693,487</i>	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT(S) Hideki KOMATSUDA		GROUP	
				FILING DATE October 27, 2003			

  

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>Pt</i>		5,669,708	09-1997	Mashima et al.		
<i>Pt</i>		5,677,939	10-1997	Oshino		
<i>Pt</i>		4,734,829	03-1988	Wu et al.		
<i>Pt</i>		5,512,759	04-1996	Sweatt		
<i>Pt</i>		5,098,184	03-1992	van den Brandt et al.		
<i>Pt</i>		6,195,201 B1	02-2001	Koch et al.		
<i>Pt</i>		6,198,793 B1	03-2001	Schultz et al.		
<i>Pt</i>		3,267,802	08-1966	M.L. Noble		

  

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>Pt</i>		EP 1 024 408 A2	08-2000	Europe		
<i>Pt</i>		EP 0 744 641 A2	11-1996	Europe		
<i>Pt</i>		JP-A-5-100097	04-1993	Japan (with abstract)		
<i>Pt</i>		JP-A-56-81813	07-1981	Japan (with abstract)		
<i>Pt</i>		JP-A-9-326352	12-1997	Japan (with abstract)		

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

  

EXAMINER  <div style="text-align: center; font-size: 2em; margin-top: 20px;"><i>R. J. K.</i></div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.5em; margin-top: 20px;"><i>8-18-04</i></div>
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
<i>PT</i>	3,296,923	01-1967	J.R. Miles			
<i>PT</i>	5,684,566	11-1997	Stanton			
<i>PT</i>	5,594,526	01-1997	Mori et al.			
<i>PT</i>	5,760,963	06-1998	Mori			
<i>PT</i>	5,739,899	04-1998	Nishi et al.			
<i>PT</i>	3,941,475	03-1976	Sheets			
<i>PT</i>	2,991,691	07-1961	H. Schering			
<i>PT</i>	3,555,987	01-1971	I. Browning			
<i>PT</i>	1,333,304	02-1920	H.P. Page			
<i>PT</i>	1,342,894	06-1920	L.W. Bugbee			
<i>PT</i>	1,633,228	06-1927	E.C. Rogers			

  

FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS		
741,246	11-1955	Great Britain				
818,229	08-1959	Great Britain				

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	

  

EXAMINER <i>R. J. Fike</i>	DATE CONSIDERED <i>8-18-04</i>
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INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT(S) Hideki KOMATSUDA			
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
<i>PT</i>	1,762,932	06-1930	J. Mihalyi			
<i>PT</i>	2,183,249	12-1939	H. Schering et al.			
<i>PT</i>	2,186,123	01-1940	K. Rantsch et al.			
<i>PT</i>	2,195,184	03-1940	R.G. Mobarry			
<i>PT</i>	2,202,061	05-1940	R.G. Mobarry et al.			
<i>PT</i>	2,238,008	04-1941	E.W. Beck et al.			
<i>PT</i>	2,270,517	01-1942	A. Drucker			
<i>PT</i>	2,326,970	08-1943	K. Rantsch			
<i>PT</i>	2,552,185	05-1951	G.J. Koch			
<i>PT</i>	2,803,163	08-1957	H. Ulfers			
<i>PT</i>	3,166,625	01-1965	C.H. Brumley			

  

FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS		

  

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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 105193.07		APPLICATION NO. Rule 53(b) Continuation of 10/090,751 filed March 6, 2002 <i>10/697,487</i>	
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
<i>PT</i>	6,231,198 B1	05-2001	Foo			
<i>PT</i>	4,475,027	10-1984	Pressley			
<i>PT</i>	4,497,015	01-1985	Konno et al.			
<i>PT</i>	4,701,023	10-1987	Hager et al.			
<i>PT</i>	4,769,750	09-1988	Matsumoto et al.			
<i>PT</i>	4,884,869	12-1989	Uemura			
<i>PT</i>	5,237,367	08-1993	Kudo			
<i>PT</i>	5,440,423	08-1995	Ogura			
<i>PT</i>	5,459,547	10-1995	Shiozawa			
<i>PT</i>	2,225,485	12-1940	K. Rantsch			

  

FOREIGN PATENT DOCUMENTS						
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EXAMINER <i>R. J. [Signature]</i>	DATE CONSIDERED <i>8-18-04</i>
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>Rt</i>		5,339,346	08-1994	White		
<i>Rt</i>		5,361,292	11-1994	Sweatt		
<i>Rt</i>		5,815,310	09-1998	Williamson		
<i>Rt</i>		5,581,605	12-1996	Murakami et al.		
<i>Rt</i>		5,894,341	04-1999	Nishi et al.		
<i>Rt</i>		5,891,806	04-1999	Shibuya et al.		
<i>Rt</i>		5,864,388	01-1999	Shima et al.		
<i>Rt</i>		5,724,122	03-1998	Oskotsky		
<i>Rt</i>		5,631,721	05-1997	Stanton et al.		
<i>Rt</i>		4,931,830	06-1990	Suwa et al.		

  

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
<i>Rt</i>	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, vol. 62, no. 12, December 1972, "Formulation of a Reflector-Design Problem for a Lighting Fixture", J.S. SCHRUBEN, pages 1498-1501.
<i>Rt</i>	"Computer-Aided Optical Design of Illuminating and Irradiating Devices", O. KUSCH, ASLAN Publishing House, Moscow 1993, Chapter 3, pp. 145-173.
<i>Rt</i>	APPLIED OPTICS, vol. 35, no. 10, April 1996, "Tailored reflectors for illumination", D. JENKINS et al., pages 1669-1672.

  

EXAMINER <i>R. S. F.</i>	DATE CONSIDERED <i>8-12-04</i>
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U.S. PATENT DOCUMENTS						
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<i>PT</i>		4,682,885	07-1987	Torigoe		
<i>PT</i>		5,245,384	09-1993	Mori		
<i>PT</i>		5,315,629	05-1994	Jewell et al.		
<i>PT</i>		5,534,970	07-1996	Nakashima et al.		
<i>PT</i>		5,703,675	12-1997	Hirukawa et al.		
<i>PT</i>		5,737,137	04-1998	Cohen et al.		
<i>PT</i>		6,249,382 B1	06-2001	Komatsuda		
<i>PT</i>		6,281,967 B1	08-2001	Kudo		
<i>PT</i>		6,295,122 B1	09-2001	Schultz et al.		
<i>PT</i>		6,480,262 B1	11-2002	Tanaka et al.		
<i>PT</i>		2001/0012101 A1	08-2001	Mulkens		
<i>PT</i>		2001/0043408 A1	11-2001	Wangler et al.		

  

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>PT</i>		JP-A-60-232552	11-1985	Japan (with abstract)		
<i>PT</i>		JP-A-62-2540	01-1987	Japan (with translation)		

  

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>RA</i>		5,222,112	06-1993	Terasawa et al.		
<i>RA</i>		5,636,003	06-1997	Tanitsu et al.		
<i>RA</i>		5,896,438	04-1999	Miyake et al.		
<i>RA</i>		6,038,279	03-2000	Miyake et al.		

  

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>RA</i>		JP-A-4-157469	05-1992	Japan		
<i>RA</i>		JP-A-5-180996	07-1993	Japan		
<i>RA</i>		JP-A-5-283320	10-1993	Japan		
<i>RA</i>		JP-A-7-94396	04-1995	Japan		
<i>RA</i>		JP-A-8-5796	01-1996	Japan		

  

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